



Press Release

Tech start-up in the field of drones on course for growth: Bayern Kapital with the Bavarian Growth Fund 2 invests in Quantum-Systems

Munich, Germany, June 8th, 2022 – Quantum-Systems, innovative developer, designer, and producer of advanced eVTOL UAVs, together with Bayern Kapital and its Bavarian Growth Fund 2, renowned German private investors, and existing investors, as well as the European Investment Bank EIB has completed its Series A funding rounds with a total of 32 million USD equity and venture debt.

Quantum-Systems, founded in 2015, develops drones with a fixed-wing flight mode that enables long travel times, long ranges, and quiet flight. The drones are capable of vertical take-off and landing. The founders successfully registered a patent for a vertically launchable unmanned transition aircraft in 2012. After a short transition phase, the motors swing into a flight position and the drone flies like an airplane using aerodynamic and electrical efficiency. And it does so for up to 90 minutes - comparable models from other manufacturers do not achieve this flight time.

The drones serve a variety of use cases both in the defence and security sector, as well as for the geospatial industry. They can be used in search and rescue operations after natural disasters like floods. Further areas of applications are smart farming, volume calculation in open-pit mining, surveying work for large construction sites, real-time situational awareness, tactical mapping, and automated railway inspection.

Increasing demand and growing areas of application

Frank Thieser, CFO and CSO of Quantum-Systems said: "We are seeing a constantly growing interest in our unique UAV systems from governments as well as leading enterprises around the globe. They use our drones for applications like irrigation optimization in agriculture, progress monitoring in open pit mining, surveying work for large construction sites, real-time situational awareness and in Search and Rescue (SAR) scenarios. The Deutsche Bahn inspects their railway network with our automatically operated drones for instance after severe weather events. The Series A round will allow us to further scale our production and establish ourselves as the international standard in eVTOL UAVs by increasing investment in our development capabilities and sales team. We thank our investors and look forward to continuing successful collaboration."

Quantum-Systems technology promises competitive advantages in areas like flight endurance, ease of operation, reliability, flying in windy conditions, and autonomous flying abilities. The company targets the growing governmental market — where a limited number of companies based in the United States and Israel have historically provided systems — and the commercial market.

"Vertical take-off and landing drones have started to change how our customers operate their systems today. With the fresh capital, we will expand our research and development capacities in the areas of swarming, autonomous flight, and artificial intelligence," said Florian Seibel, CEO and co-founder of Quantum Systems. "We will continue to lead this field."



Tailwind for promising pioneers

"The Bavarian Growth Fund is an important instrument for strengthening the competitiveness of the Bavarian economy," said Bavaria's Minister of Economics Aiwanger. "This helps small and medium-sized enterprises to turn new ideas into concrete innovations. Young Bavarian high-tech companies in particular need capital to be able to compete in international growth markets. The company can use the fresh funding to expand its research, development, and sales capacities in the fields of autonomous flying and artificial intelligence. Ultimately, Bavaria as a business location benefits from every development of new technologies."

"Today, there is hardly an industry that is not thinking about the opportunities presented by the use of drones, and there are already plenty of successful customer examples," said Monika Steger, Managing Director at Bayern Kapital. "Quantum-Systems convinces us equally with its powerful, efficient technology and its brilliant starting position for an international market with enormously high growth potential. We are delighted to have a Bavarian company with outstanding management that is helping to shape digitalization and the next stage of conquering airspace for the future."

About Quantum-Systems

Quantum-Systems GmbH develops and deploys small Unmanned Aircraft Systems (sUAS) for the geospatial community (commercial product line) and the defence, security, and intelligence community (governmental product line), providing unprecedented data quality, efficiency, and operational usability.

The fully autonomous sUAS with AI edge computing capabilities enable its users to capitalise on the emerging megatrend of autonomous sUAS data acquisition solutions that will open entirely new markets and applications. All Quantum-Systems sUAS combine eVTOL (electrical vertical take-off and landing) capabilities with long-range utilising electrical and aerodynamic efficiency.

The continuous integration of state-of-the-art sensors into the systems allows for increased aerial data intelligence.

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